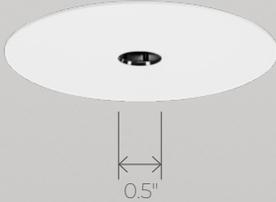


CUE 0.5" & 1"

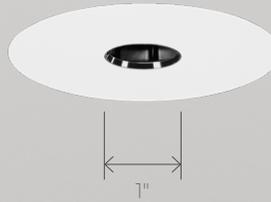
ROUND PINHOLE RECESSED



Flanged Trim



Flush Flanged Trim



Flush Flanged Trim
Trim painted on primer finish



Cue 0.5" and 1" are small-aperture pinhole downlights offering precise beam control and extremely low glare on a shared compact housing platform. Interchangeable optics sized to each aperture provide multiple beam angles and optical accessory options. These luminaires feature below-ceiling tilt and full 360° rotation for accurate aiming and on-site adjustment, delivering targeted accent lighting with minimal ceiling presence.

Beam Angles



Low UGR < 5 in all beams

Performance

LUMEN OUTPUT	WATTS	EFFICACY
812 lm	6 W	135 lm/W
948 lm	8 W	119 lm/W
1083 lm	10 W	108 lm/W

Based on Cue 1", 3500K, 90+ CRI, and 50° beam.

Light Source

Static White

SOLA



Cue Collection Brochure



CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Project: _____

 Type: _____

Order Guide

For SOLA Dim-to-Warm order guide, see page 3.

1 - Housing

LUMINAIRE ID ¹	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ⁴
		SW		
CUE05RR - Cue 0.5" Round Pinhole Recessed CUE10RR - Cue 1" Round Pinhole Recessed ¹ 1.5" also available. Consult other spec sheet.	TRM - Flanged trim TRMP - Flush flanged trim drywall mudplate TRMW - Flush flanged trim millwork	SW ² - Static white ² 2-step.	OF - Open Frame Type Non-IC IC ³ - Type-IC RM - Remodel Type Non-IC CP ³ - Chicago Plenum Type-IC (CCEA) AT ³ - Airtight Type-IC ³ Only available with 8 W or less.	ASB ⁵ - Adjustable standard bar hangers FMB ⁵ - Flush mount bars ACB ⁵ - Adjustable commercial bar hangers AHC ⁵ - Adjustable hat channel bars NA - No bar hangers ⁴ See page 6 for more details. ⁵ Not available with RM installation type.

VOLTAGE	WATTAGE	DIMMING		
120V - 120V 277V - 277V UNV - 120V-277V 347V ⁶ - 347V ⁶ Available with RD1 driver only. Please consult factory.	0.5" <table border="1"> <tr> <td> 6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ⁷ - 10 W output, up to 557 lm </td> </tr> <tr> <td> 6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ⁷ - 10 W output, up to 1083 lm </td> </tr> </table> ⁷ Not available with IC/CP/AT.	6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ⁷ - 10 W output, up to 557 lm	6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ⁷ - 10 W output, up to 1083 lm	INTEGRAL DI - 1% 0-10V ELV ⁸ - ELV 120V TRI ⁸ - TRIAC 120V DA ⁹ - DALI ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ⁸ Available with 120V only. ⁹ On-site commissioning is required.
6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ⁷ - 10 W output, up to 557 lm				
6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ⁷ - 10 W output, up to 1083 lm				
		REMOTE ¹⁰ RD1 - 1% 0-10V RELV ¹¹ - ELV 120V RTRI ¹¹ - TRIAC 120V RLDE1 ¹² - Lutron Hi-lume 1% Eco RDA ¹² - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELDO - eldoLED 0.1% SOLOdrive 0-10V +EB ¹³ - Emergency battery ¹⁰ A remote driver box is provided. ¹¹ Available with 120V only. ¹² On-site commissioning is required. ¹³ To specify, add +EB to the selected dimming option, e.g. RD1+EB.		

2 - Light

LUMINAIRE ID	TRIM STYLE Specify same as Housing	TRIM FINISH	LIGHT SOURCE	WATTAGE Specify same as Housing	BEAM		
			SW				
CUE05RRL - Cue 0.5" Round Pinhole Recessed CUE10RRL - Cue 1" Round Pinhole Recessed	TRM - Flanged trim TRMP - Flush flanged trim drywall mudplate TRMW - Flush flanged trim millwork	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# <u>Premium colors</u> FBS - Brushed brass FCP - Brushed copper FBCH - Brushed champagne	SW ¹⁴ - Static white ¹⁴ 2-step.	0.5" <table border="1"> <tr> <td> 6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ¹⁵ - 10 W output, up to 557 lm </td> </tr> <tr> <td> 6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ¹⁵ - 10 W output, up to 1083 lm </td> </tr> </table> ¹⁵ Not available with IC/CP/AT.	6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ¹⁵ - 10 W output, up to 557 lm	6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ¹⁵ - 10 W output, up to 1083 lm	25DEG - 25° Spot 35DEG - 35° Narrow flood 45DEG - 45° Flood
6W - 6 W output, up to 334 lm 8W - 8 W output, up to 446 lm 10W ¹⁵ - 10 W output, up to 557 lm							
6W - 6 W output, up to 812 lm 8W - 8 W output, up to 948 lm 10W ¹⁵ - 10 W output, up to 1083 lm							

ACCESSORY ¹⁶ At light element	CRI	COLOR TEMPERATURE
LSDL - Soft diffused lens, Solite NA - None ¹⁶ See page 8 for details.	80CRI - 80+ CRI 90CRI - 90+ CRI 95CRI - 95+ CRI	22K ¹⁷ - 2200K 24K ¹⁷ - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K ¹⁷ - 5000K ¹⁷ Not available with 95+ CRI.



CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Project: _____

Type: _____

Order Guide - SOLA Dim-to-Warm

For static white order guide, see page 2.

1 - Housing

LUMINAIRE ID ¹	TRIM STYLE	LIGHT SOURCE	INSTALLATION TYPE	MOUNTING OPTION ³
		SOLA		
CUE05RR - Cue 0.5" Round Pinhole Recessed CUE10RR - Cue 1" Round Pinhole Recessed ¹ 1.5" also available. Consult other spec sheet.	TRM - Flanged trim TRMP - Flush flanged trim drywall mudplate TRMW - Flush flanged trim millwork	SOLA ² - Dim-to-warm single channel control ² 3-step.	OF - Open Frame Type Non-IC RM - Remodel Type Non-IC PMP - Pre-mount plate Type Non-IC	ASB ⁴ - Adjustable standard bar hangers FMB ⁴ - Flush mount bars ACB ⁴ - Adjustable commercial bar hangers AHC ⁴ - Adjustable hat channel bars NA - No bar hangers ³ See page 6 for more details. ⁴ Not available with RM installation type.

VOLTAGE	WATTAGE	DIMMING	
	10W		
120V - 120V 277V - 277V UNV - 120V-277V	0.5" 10W - 10 W output, up to 195 lm 1" 10W - 10 W output, up to 387 lm	INTEGRAL SDI - Single 0-10V input SELV ⁵ - ELV 120V STRI ⁵ - TRIAC 120V SDA ⁶ - DALI SELD1 - eldoLED 1% ECOdrive 0-10V SELD0 - eldoLED 0.1% SOLOdrive 0-10V ⁵ Available with 120V only. ⁶ On-site commissioning is required.	REMOTE ⁷ RSDI - Single 0-10V input RSELV ⁸ - ELV 120V RSTRI ⁸ - TRIAC 120V +EB ⁹ - Emergency battery ⁷ A remote driver box is provided. ⁸ Available with 120V only. ⁹ To specify, add +EB to the selected dimming option, e.g. RSDI+EB.

2 - Light

LUMINAIRE ID	TRIM STYLE Specify same as Housing	TRIM FINISH	LIGHT SOURCE	WATTAGE	BEAM
			SOLA	10W	35DEG
CUE05RRL - Cue 0.5" Round Pinhole Recessed CUE10RRL - Cue 1" Round Pinhole Recessed	TRM - Flanged trim TRMP - Flush flanged trim drywall mudplate TRMW - Flush flanged trim millwork	FTMW - Matte white FTMB - Matte black FSPC - Satin silver FSSPC - Matte silver FCHP - Champagne FDBZ - Dark bronze FPF - Primer finish CF# - Custom finish, specify RAL# <u>Premium colors</u> FBS - Brushed brass FCP - Brushed copper FBCH - Brushed champagne	SOLA ¹⁰ - Dim-to-warm single channel control ¹⁰ 3-step.	0.5" 10W - 10 W output, up to 195 lm 1" 10W - 10 W output, up to 387 lm	35DEG - 35° Narrow flood

ACCESSORY ¹¹ At light element	CRI	COLOR TEMPERATURE
	90CRI	
LSDL - Soft diffused lens, Solite NA - None	90CRI - 90+ CRI	30K18K - 3000K to 1800K 27K18K - 2700K to 1800K

¹¹See page 8 for details.



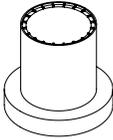
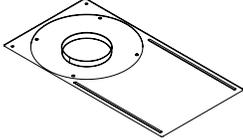
CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Accessories & Replacement Parts

Order separately.

	0.5"	1"
	CUE05-25DEG ¹ - 25° Spot	CUE10-25DEG ¹ - 25° Spot
	CUE05-35DEG - 35° Narrow flood	CUE10-35DEG - 35° Narrow flood
	CUE05-45DEG ¹ - 45° Flood	CUE10-45DEG ¹ - 45° Flood
	CUE05-LSDL - Soft diffused lens, Solite	CUE10-LSDL - Soft diffused lens, Solite
	CUE05-ARTL - Accessory holder removal tool	CUE10-ARTL - Accessory holder removal tool
	CUE05-PMP ² - Pre-mounting plate	CUE10-PMP ² - Pre-mounting plate

¹Not available with SOLA.

²Only available with RM installation type.

CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Housing Dimensions

Installation types *

<p>OF - Open Frame Type Non-IC</p> <ul style="list-style-type: none"> • Minimum plenum height: 4" • Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum 	<p>IC - Type-IC</p> <ul style="list-style-type: none"> • Minimum plenum height: 4 1/8" • No setback from insulation required 	<p>CP - Chicago Plenum Type-IC (CCEA) AT - Airtight Type-IC</p> <ul style="list-style-type: none"> • Minimum plenum height: 6 7/8" • No setback from insulation required
<p>RM - Remodel Type Non-IC</p> <p>Integral</p> <ul style="list-style-type: none"> • Minimum plenum height: 4 1/2" • Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum 	<p>RM - Remodel Type Non-IC</p> <p>Remote</p> <ul style="list-style-type: none"> • Minimum plenum height: 4" • Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum 	<p>RM + PMP - Remodel Type Non-IC + Pre-mounting plate</p> <ul style="list-style-type: none"> • Minimum plenum height for integral: 4 1/2" • Minimum plenum height for remote: 4" • Clearance between sides of luminaire and parts of building must be 1/2" minimum; clearance to insulating materials to be 3" minimum.

* Bar hangers are not shown in the drawings.

CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Mounting Options

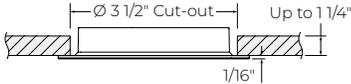
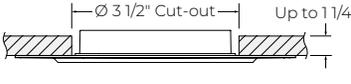
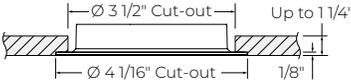
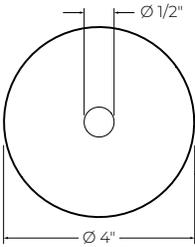
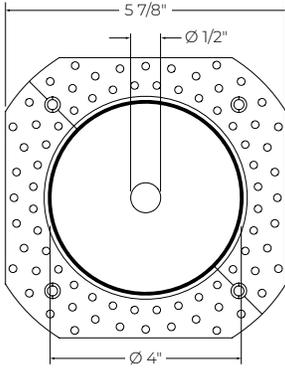
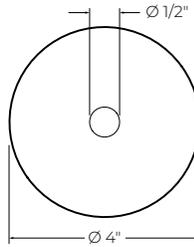
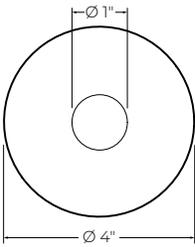
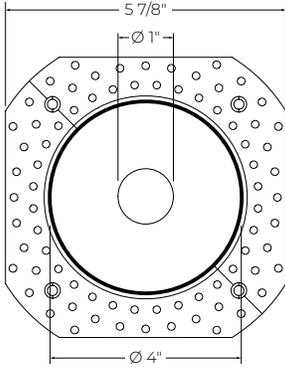
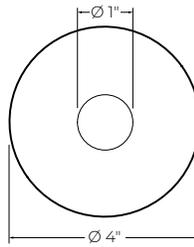
ASB - Adjustable Standard Bar Hangers	
	<ul style="list-style-type: none"> • Use in commercial and residential applications. • Suitable for grid ceiling and drywall mounting. • Adjustable to various heights. • Joist spacing: 14" to 24".
FMB - Flush Mount Bars	
	<ul style="list-style-type: none"> • Use in residential applications. • Suitable for wood, metal, and drywall mounting. • Joist spacing: 14" to 24".
ACB - Adjustable Commercial Bar Hangers	
	<ul style="list-style-type: none"> • Use in commercial and residential applications. • Suitable for grid ceiling, drywall, metal, wood, and frame mounting. • Adjustable to various heights. • Fits into C-channel notches in a butterfly bracket. • Joist spacing: 16" to 24". Extensions to 36" and 48" available, consult factory. • T-bar spacing: 24"
AHC - Adjustable Hat Channel Bars	
	<ul style="list-style-type: none"> • Use in commercial and residential applications. • Suitable for wood ceiling and drywall mounting. • Adjustable to various heights. • Fits into C-channel notches in a butterfly bracket. • Hat channel spacing: 24" and 36".

CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Trim Details

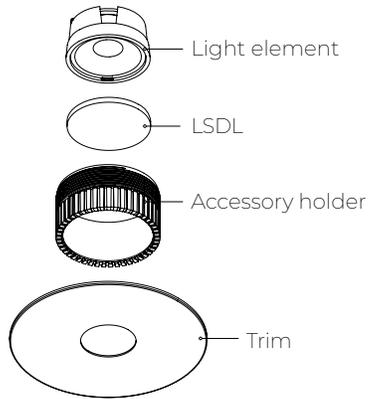
TRM - Flanged trim	TRMP - Flush flanged trim drywall mudplate	TRMW - Flush flanged trim millwork
		
		
 <p style="text-align: center;">0.5"</p>	 <p style="text-align: center;">0.5"</p>	 <p style="text-align: center;">0.5"</p>
 <p style="text-align: center;">1"</p>	 <p style="text-align: center;">1"</p>	 <p style="text-align: center;">1"</p>

CUE 0.5" & 1"

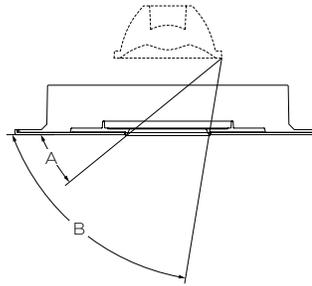
ROUND PINHOLE RECESSED



Accessory



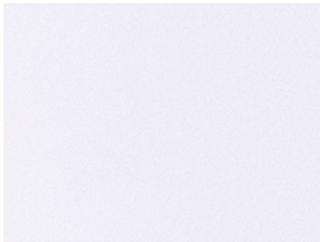
Cut-off & Shielding Angles



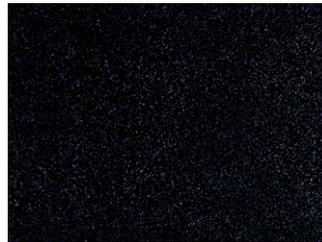
	A Cut-off angle	B Shielding angle
0.5"	55.81°	77.2°
1"	39.15°	80.65°

Finishes

STANDARD



FTMW - Matte white



FTMB - Matte black



FSPC - Satin silver



FSSPC - Matte silver



FCHP - Champagne



FDBZ - Dark bronze



FPF - Primer finish

PREMIUM



FBS - Brushed brass



FCP - Brushed copper



FBCH - Brushed champagne

Some colors may have longer lead time.

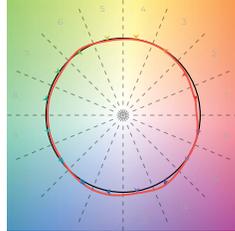
CUE 0.5" & 1"

ROUND PINHOLE RECESSED

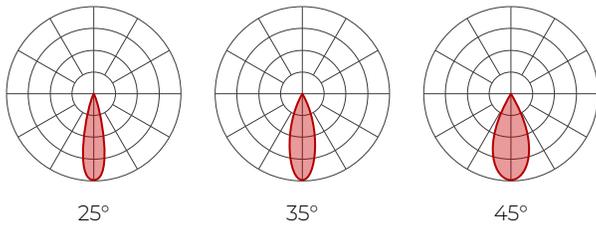


Color Quality

COLOR QUALITY - 3500K	
TM-30 R _r	91
TM-30 R _g	100
CRI	90+
R9	> 50



Photometrics



0.5" - STATIC WHITE

Values calculated based on 3500K and 90+ CRI.

WATTAGE	25°		35°		45°	
	lm	lm/W	lm	lm/W	lm	lm/W
6 W	246	41	327	55	334	56
8 W	328	41	436	55	446	56
10 W	410	41	545	55	557	56

0.5" - SOLA

Values calculated at high end CCT.

WATTAGE	35°	
	lm	lm/W
10 W	195	20

MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. CCT and CRI will change the lumen value.

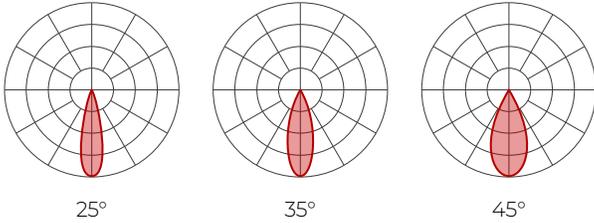
CCT		CRI		ACCESSORY At light element	
2200K	0.80	80+ CRI	1	LSDL - Soft diffused lens, Solite	1
2400K	0.87	90+ CRI	1		
2700K	0.94	95+ CRI	0.87		
3000K	0.98				
3500K	1				
4000K	1.05				
5000K	1.05				

CUE 0.5" & 1"

ROUND PINHOLE RECESSED



Photometrics



1" - STATIC WHITE

Values calculated based on 3500K and 90+ CRI.

BEAM	25°		35°		45°	
WATTAGE	lm	lm/W	lm	lm/W	lm	lm/W
6 W	714	119	812	135	727	121
8 W	833	104	948	119	848	106
10 W	952	95	1083	108	969	97

1" - SOLA

Values calculated at high end CCT.

BEAM	35°	
WATTAGE	lm	lm/W
10 W	387	39

MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. CCT and CRI will change the lumen value.

CCT		CRI		ACCESSORY At light element	
2200K	0.80	80+ CRI	1	LSDL - Soft diffused lens, Solite	1
2400K	0.87	90+ CRI	1		
2700K	0.94	95+ CRI	0.87		
3000K	0.98				
3500K	1				
4000K	1.05				
5000K	1.05				

CUE 0.5" & 1"

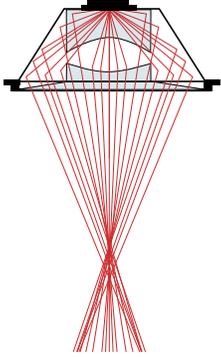
ROUND PINHOLE RECESSED



Technical Specifications

OPTIC

XPoint™ Refraction Technology optics provide precise optical control in a remarkably compact form. Micro optical paths from the chip on board converge and then disperse in precise beam angles, resulting in a crisp and exacting light quality.



LIGHT SOURCE

Static white

Compact COB (Chip-On-Board) LED module, available in 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, and 5000K with a choice of 80+ CRI, 90+ CRI, or 95+ CRI, with elevated R9 value for 90+ CRI and above. Color consistency is maintained to within 2 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.

ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

Integral: 0-10V, ELV, TRIAC, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V

Emergency battery options: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10 W, the battery provides 6 W of emergency light output. For fixtures 10 W and over, the battery provides 10 W.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

CONSTRUCTION

Housing

For new construction, 20 gauge galvanized steel. Open frame, type-IC, or Chicago Plenum (CCEA) rated. 18 gauge galvanized steel junction box with ½" trade size knockouts. Adjustable standard, flush mount, adjustable commercial, and adjustable hat channel bar hangers are available as mounting options.

Light element

LED module: Integral COB module. 90+ CRI and 2 SDCM, Standard with options of 80+ CRI, or 95+ CRI. L80 > 60,000 hours.

XPoint™ Refraction Technology optic: Micro optical paths from the chip on board converge and then disperse in precise beam angles, resulting in a crisp and exacting light quality.

Thermal management: Die-cast aluminum heat sink to maximize thermal dissipation.

Baffle: Die-cast aluminum mounted with retaining spring clips

Trim style: Trimmed and flushed trim with mudplate or millwork

Finish: Matte white, matte black, satin silver, matte silver, champagne, dark bronze, primer finish, and premium brushed metallic finishes. Custom colors also available (provide RAL #). For the primer finish option, fixture must be turned off and the lens masked before applying paint.

WEIGHT

	0.5"	1"
Open frame	2.95 lbs - 1.34 kg	3.02 lbs - 1.37 kg
Type-IC	4.63 lbs - 2.1 kg	4.63 lbs - 2.1 kg
Chicago Plenum, Airtight	4.85 lbs - 2.2 kg	4.85 lbs - 2.2 kg
Remodel	1.79 lbs - 0.81 kg	1.85 lbs - 0.84 kg
Pre-mount plate	1.63 lbs - 0.74 kg	1.7 lbs - 0.77 kg

CUE 0.5" & 1"

ROUND PINHOLE RECESSED



ACCESSORY



Soft diffused
lens, Solite

ENVIRONMENT

Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

CERTIFICATIONS

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

Chicago Plenum: City of Chicago approved (CCEA) when specified with CP installation type option.

IC rated: Suitable for direct contact with insulation when specified with IC, CP or AT installation type options.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.